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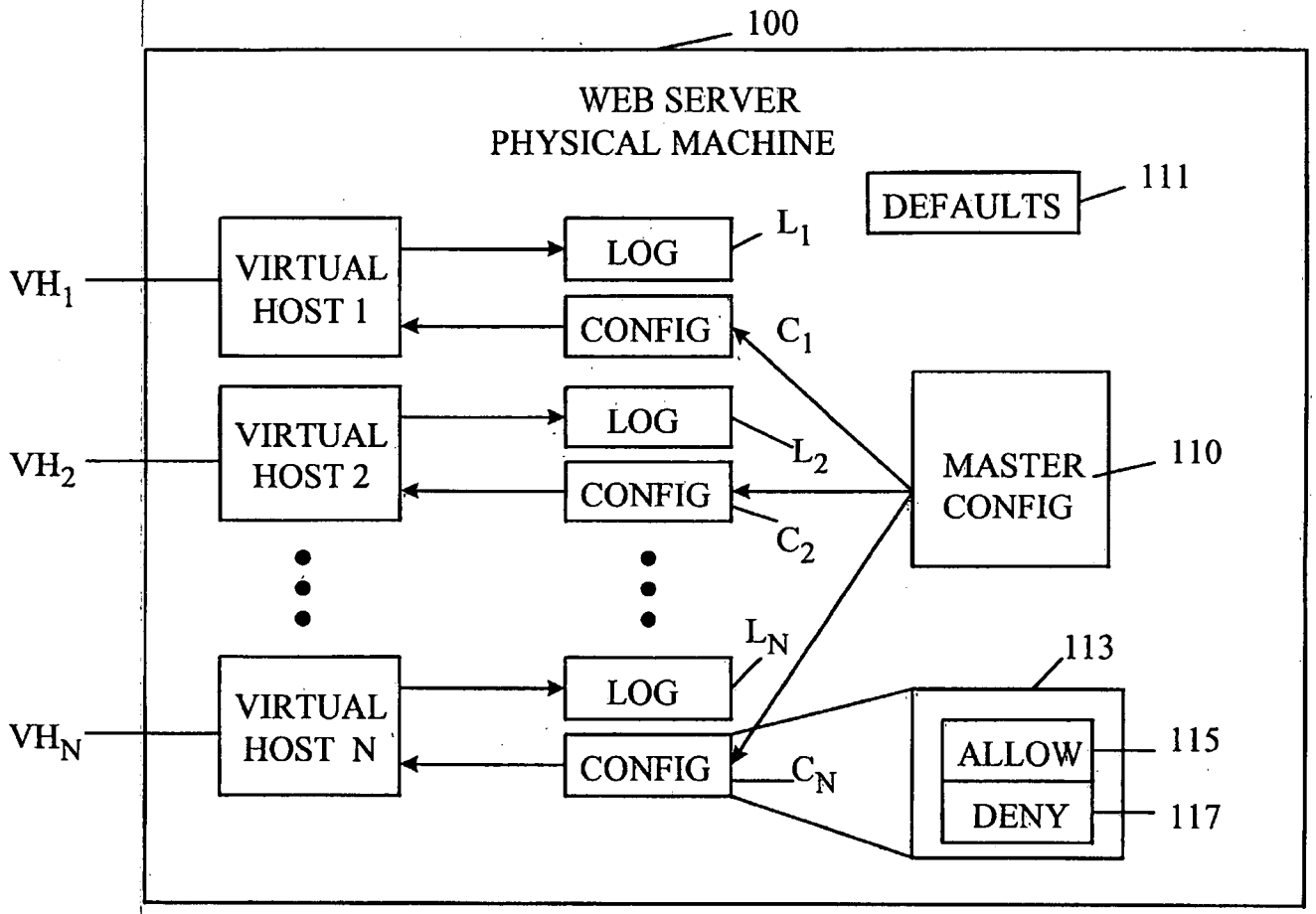
100
WEB SERVER
PHYSICAL MACHINE
DEFAULTS
111
VH1
VIRTUAL HOST 1
LOG
L1
CONFIG
C1
VH2
VIRTUAL HOST 2
LOG
L2
CONFIG
C2
MASTER CONFIG
110
LN
113
VHN
VIRTUAL HOST N
LOG
CONFIG
CN
ALLOW
115
DENY
117

Fig. 1

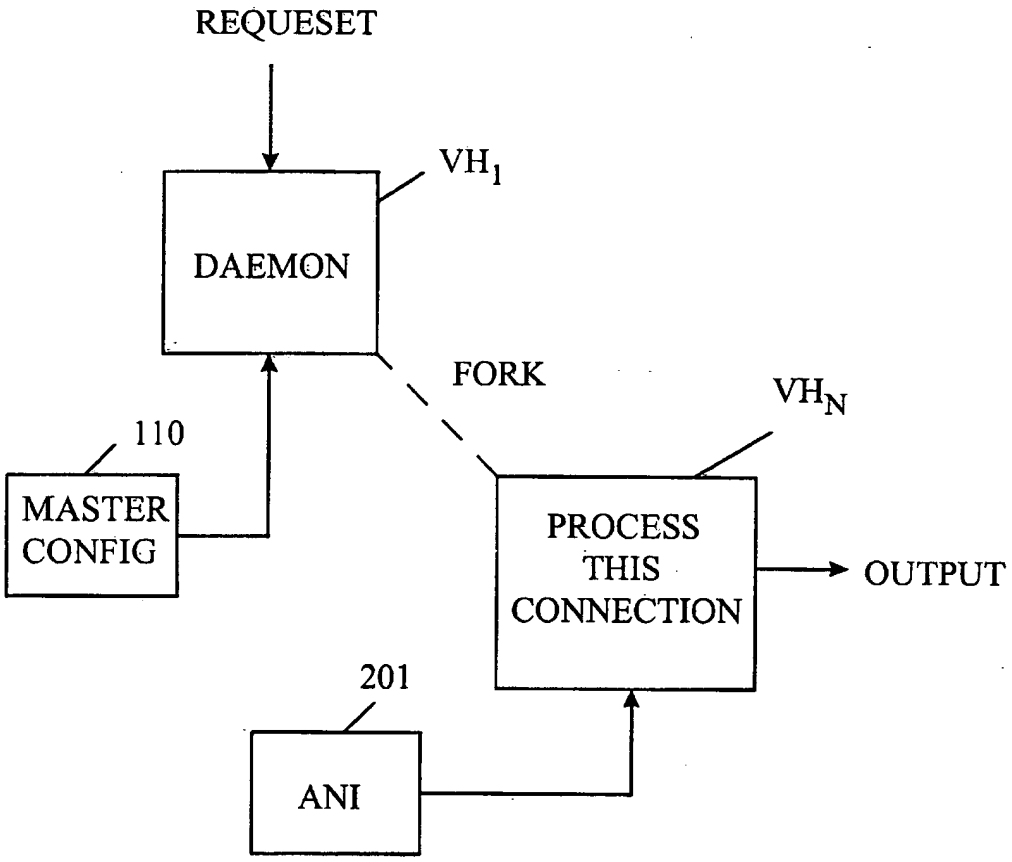
REQUESET
VH1
DAEMON
FORK
VHN
110
MASTER CONFIG
PROCESS THIS CONNECTION
OUTPUT
201
ANI

Fig. 2

```
struct PROCESS_TYPES DefaultProcessTypes[ ] = {
/* Animation scripts (Server push) */
"ani',      TY_ANIMATION,  NULL,          ProcessANI,
"cgi",      TY_CGI,        NULL,          ProcessCGI,
/* html's */
"html",     TY_HTML,       "text/html",   SendFile,
/* shtml's will be ser ver passed */
"shtml",    TY_SHTML,      "image/html",  ProcShtml,
/* gif graphics Images */
"gif",      TY_GIF,        "image/gif",   SendFile,
/* jpeg graphics Images*/
"jpeg",     TY_JPEG,       "image/jpeg",  SendFile,
"jpg",      TY_JPEG,       "image/jpeg",  SendFile,
"jpe",      TY_JPEG,       "image/jpeg",  SendFile,
/* map Image Maps */
"map",      TY_MAP,        NULL,          ProcessMap,
/* default is to send file */
"",         TY_DEFAULT,    "text/html",   SendFile,
/* Structure terminator */
NULL,       TY_ALLDONE,    NULL,          NULL};
```

Fig. 3

```
PORT            = 80
RULE1           = {
                  TIME          = "1AM-12PM"
}
WWW.SRMC.COM    = {
                  .CGI          = "PROCESSCGI"
                  ROOT          = "/HOME/HONOLULU/HTML"
}
WWW.HONOLULU.NET = {
                  .CGI          = ""
                  ROOT          = "/HOME/HONOLULU/HTML
}
WWW.SANJOSE.NET = {
                  .CGI          = "PROCESSCGI"
                  ALLOW         = {
                                  *.SRMC.COM
                                  205.138.192.*
                                  205.138.192.0/23
                  }
                  DENY          = {
                                  MISTERPAIN.COM
                  }
}
WWPROXY.SRMC.COM = {
                  MODE          = RT_SERVERPROXY
}
NS.SRMC.COM     = {
                  ALLOW         = {
                                  192.168.0.*
                                  192.168.1.*   = RULE1
                                  192.168.2.*   = {
                                                  TIME          = "1AM-12PM"
                                  }
                                  192.168.3.*   = 192.168.2.*
                  }
}
MJU.SRMC.COM    = {
                  ALLOW         = {
                                  192.168.0.0.23                = RULE1
                  }
                  DENY          = {
                                  192.168.0.*   = {
                                                  TIME          = "12PM-1AM"
                                  }
                  }
}
```

Fig. 4

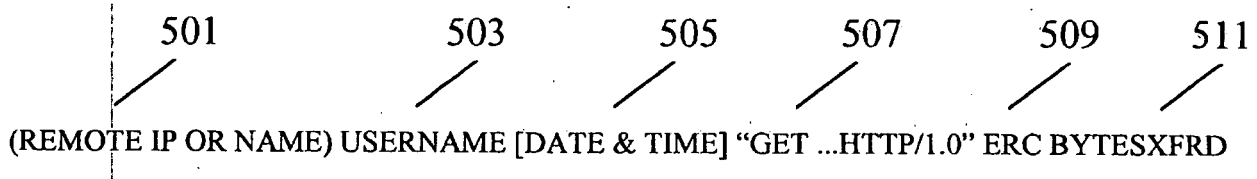
501
503
505
507
509
511
(REMOTE IP OR NAME) USERNAME [DATE & TIME] "GET ...HTTP/1.0" ERC BYTESXFRD

Fig. 5

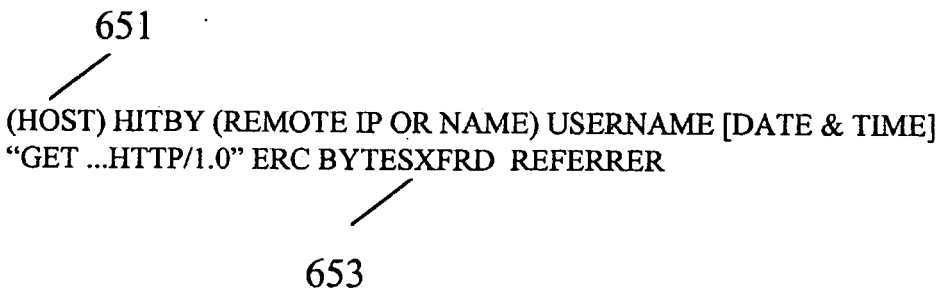
651
(HOST) HITBY (REMOTE IP OR NAME) USERNAME [DATE & TIME]
"GET ...HTTP/1.0" ERC BYTESXFRD REFERRER
653

Fig. 6

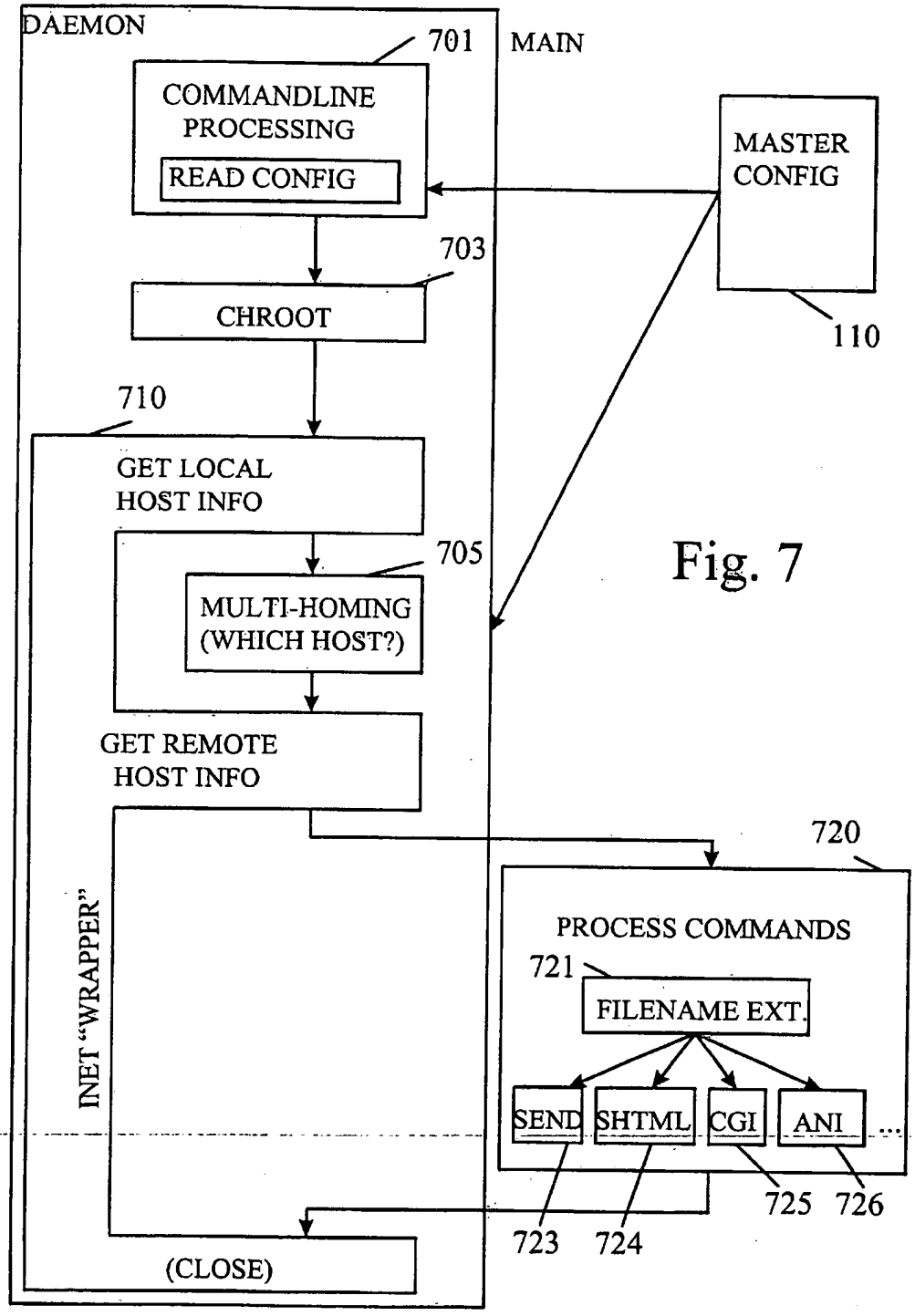
DAEMON
701
MAIN
COMMANDLINE PROCESSING
READ CONFIG
MASTER CONFIG
703
CHROOT
110
710
GET LOCAL HOST INFO
705
MULTI-HOMING (WHICH HOST?)
GET REMOTE HOST INFO
720
INET "WRAPPER"
PROCESS COMMANDS
721
FILENAME EXT.
SEND
SHTML
CGI
ANI
...
725
726
723
724
(CLOSE)

Fig. 7